

THE TITLE OF THE SESSION:

Agent and Multi-Agent Systems: Technologies and Applications

THE THEME OF THE SESSION:

Scope

In the last two decades we have seen a significant increase of interest in agent and multi-agent systems. This field is now set to become one of the key technologies in the 21st century and will underpin much of the next generation of computing that seeks to address issues in Ambient Intelligence, Pervasive and Ubiquitous Computing, Grid Computing, Services Oriented Computing, the Semantic Web, E-Commerce and many other areas. It is therefore crucial that both academic and industrialists have access to a forum at which emerging technologies and application issues are presented and discussed.

The aim of this Invited session on Agent and Multi-Agent Systems: Technologies and Applications is to encourage and support activity in the research and development of agent and multi-agent systems, in academic and industrial efforts.

Topics

Topics include but are not limited to:

- * Agent-oriented software engineering
- * Enhancement of communication among agents by means of Ontologies
- * Service-oriented multiagent systems
- * Agent negotiation modeling and protocols
- * Agent technology for e-Commerce
- * Applications of semantic Web services
- * Novel applications of intelligent agents

SESSION CHAIRS :

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Short Biography of Bala M. Balachandran

Dr. Bala M. Balachandran is an academic staff of the Faculty of Information Sciences and Engineering at the University of Canberra, Australia. He has had over 15 years of research experience in a range of areas including intelligent optimization systems, case-based reasoning in design, development of expert systems, intrusion detection, intelligent interfaces, and agent systems. Prior to joining the UC, he was a lecturer in Computer Science at the University of Wollongong, and a research associate of the Key centre of Design Computing of the University of Sydney in Australia. He holds a PhD in Design Computing from the University of Sydney. Balachandran is the author or co-author of over 50 research publications including three books. He has chaired invited sessions at several international conferences in the area of intelligent systems and their applications. His current areas of interest include multiagent systems, ontology and semantic web technologies, agent technology for e-commerce, and agent-oriented software development. He is a member of both the Australian Computer society and the Institution of Engineers, Australia.